CLAIMS

What is claimed is:

1   1.   A method comprising:

2   receiving data from an application;

3   creating a socket;

4   associating the socket with an AF_INET address family and performing a mapping

5   between a socket API and an SDP layer if the application is a legacy application;

6   and

7   associating the socket with an AF_IB address family and performing a mapping between

8   the socket API and an IB verb if the application is a new application.

1   2.   The method of claim 1, further comprising providing the data to a channel

2   adapter for transmission over an IBA fabric.

1   3.   The method of claim 1, wherein the application is a new application, the

2   act of performing a mapping between the socket API and an IB verb comprising

3   performing a mapping between the socket API and the SDP layer.

1   4.   A system comprising:

2   a channel adapter coupled with an IBA fabric, the channel adapter to receive data from

3   applications;

4   a socket API to provide an interface with the applications; and

5   an InfiniSock layer to provide an interface between the socket API and the channel

6   adapter, the InfiniSock layer including an AF_INET address family and an AF_IB

7   address family, the InfiniSock layer to provide a mapping between the socket API

8   and an SDP layer for legacy applications and a mapping between the socket API

9   and an IB verb for new applications.

1   5.   The system of claim 4, further comprising a socket, the socket associated

2   with one of the AF_INET address family and the AF_IB address family.

1   6.   The system of claim 4, the InfiniSock layer to provide a mapping between

2   the socket API and the SDP layer for a new application.

1   7.   An article of manufacture comprising:

2   a machine accessible medium providing content that, when accessed by a machine,

3   causes the machine to

4   receive data from an application;

5   create a socket;

6   associate the socket with an AF_INET address family and perform a mapping

7   between a socket API and an SDP layer if the application is a legacy

8   application; and

9   associate the socket with an AF_IB address family and perform a mapping

10   between the socket API and an IB verb if the application is a new

11   application.

1   8.   The article of manufacture of claim 7, wherein the content, when accessed,

2   further causes the machine to provide the data to a channel adapter for transmission over

3   an IBA fabric.

1   9.   The article of manufacture of claim 7, wherein the application is a new

2   application and the content, when accessed, further causes the machine to perform a

3   mapping between the socket API and the SDP layer.

1   10.   A network comprising:

2   an IBA fabric;

3   a first system coupled with the IBA fabric, the first system including

4   a channel adapter coupling the first system with the IBA fabric, the channel

5   adapter to receive data from applications resident on the first system,

6   a socket API to provide an interface with the applications, and

7   an InfiniSock layer to provide an interface between the socket API and the

8   channel adapter, the InfiniSock layer including an AF_INET address

9   family and an AF_IB address family, the InfiniSock layer to provide a

10   mapping between the socket API and an SDP layer for legacy applications

11   and a mapping between the socket API and an IB verb for new

12   applications; and

13   a second system coupled with the IBA fabric.

1   11.   The network of claim 10, the applications of the first system including a

2   legacy application and a new application.

1   12.   The network of claim 10, the second system including a legacy

2   application.

1   13.   The network of claim 10, the second system including a new application.

1   14.   The network of claim 10, the second system comprising:

2   a channel adapter coupling the second system with the IBA fabric, the channel adapter to

3   receive data from applications resident on the second system;

4   a socket API to provide an interface with the applications; and

5   an InfiniSock layer to provide an interface between the socket API and the channel

6   adapter, the InfiniSock layer including an AF_INET address family and an AF_IB

7   address family, the InfiniSock layer to provide a mapping between the socket API

8   and an SDP layer for legacy applications and a mapping between the socket API

9   and an IB verb for new applications.